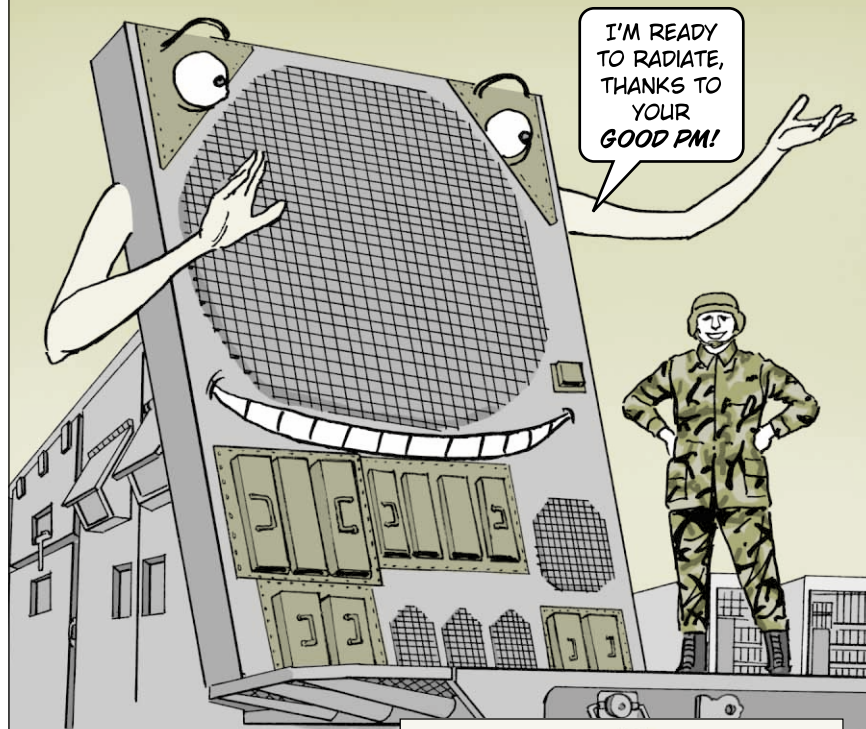


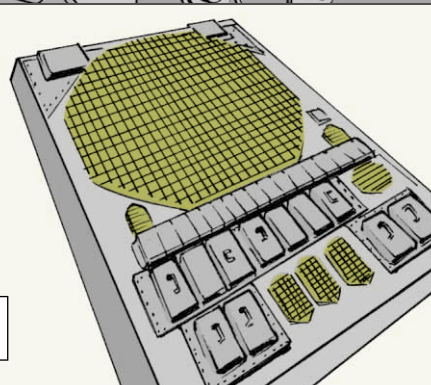
RADIATING



Kee your Patriot's AN/MPQ-53 radar radiating good health by being careful and doing PM.

Keep your feet away from the identification friend or foe (IFF) system elements and the main array elements. Damage to these elements can cause the radar to fail.

Keep feet away from elements



WITH PM

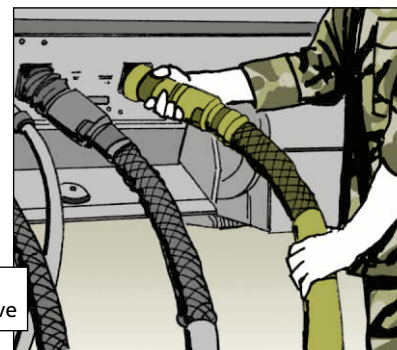
Pay attention to vents. If the radar doesn't get enough cooling air, it overheats and produces lots of test faults. So, before powering up the radar, make sure all eight vents are open. Monthly, eyeball all the vent screens for dirt. Check the screens more often in dusty areas. If you can't vacuum the screens clean, get 'em replaced.

Make sure all eight vents are open. Vacuum dirty ones



Careful with the J1, J2, J3 and J6 cables. If you screw the cables on or off one-handed, you rip their wiring and ruin expensive cables. Support each cable with one hand while you twist the cable connector sleeve with the other hand. Don't let the cable turn—only the connector sleeve should turn.

Support cable while turning connector sleeve



No power? Check the J5 control cable on the electric power plant (EPP) III. If the cable is cross-threaded, no power gets to the radar. A quick check of the cable can save troubleshooting. Of course, if the cable covering is torn or cracked, get the cable replaced

No power? Check J5 at EPP

